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Sample Preparation Correlative XPCT - Histology

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We use this protocol and it's working

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Abstract

This protocol describes the placement of samples for XPCT and preparation of correlative histological analysis after the measurement.

XPCT-Sample Preparation

- 1 Selection of ROI in a FFPE tissue block and punch biopsy with 1 mm diameter to be placed in Kapton tube
- 2 perform XPCT measurement as described here:

Reembedding of FFPE tissue punch

- 3 perform at RT this delicate preparation step
hold Kapton tube with sample inside using fine forceps
push sample carefully out of the Kapton tube
- 4 prefill casting mold with warm paraffin and place it at RT
- 5 place sample with tissue facing the bottom in liquid paraffin during the curing process of paraffin
- 6 finally place cassette holder on top and place the new paraffin block on a cold plate
- 7 proceed to regular slicing using a microtome

